

SZABO, Dezso

Polymerization of phorone combined with ring formation.
Magy kem folyoir '70 no. 2:87-91 F '64.

1. Pecsí Orvostudományi Egyetem Kémiai Intézete.

SIMONYI, Istvan; LASZLONE, Bojthe; SZABO, Dezsone

Analytic study of trioxazine. Acta pharm. Hung. 35 no.4:
163-168 JI'65.

SZABO, E. 1948

(Anatom-Topograph, Inst. Peter Paz, U, Budapest)

"Variations of the Superior Alveolar Nerves."

Schweizerische Monatsschrift für Zahnheilkunde, Zurich, 1948, 58/9(819-29)
Abst: Exc. Med. 1, Vol. 111, No. 8, p. 286

SZABO, E. 1948

(Inst. of Anatomy , U. of Budapest)

"Innervation of the Kidney and its Practical Significance."

Acta Urol., Budapest, 1948, 2/1-2(31-41)
Abst: Exc. Med. V. Vol. 11, No. 9, p. 698

SZABO, E. 1947

(Inst. for Anatomy, U. of Budapest)

"Innervation of the Bladder and its Practical Significance."

Acta Urologica, Budapest, 1947, 1/5-6(188-196)
Abst: Exc. Med. 1, Vol. 111, No. 2, p. 46

SZABO, E.

BŐSZÖRMÉNYI (Z.) & SZABÓ (E.). Az 'ermenti nekrosis' vírusbetegség hatása a
Dohány vízforgalmára. [The effect of the Tobacco streak virus disease on the
water economy of the Tobacco plant.]—*Ann. Biol. Univ. Hung.*, 2, 2, pp. 201-
210, 2 graphs, 1954. [English and Russian summaries.]

Transpiration of tobacco leaves infected by streak virus disease [cf. *R.A.M.*,
19, p. 307; 32, p. 39; and below], the most widely distributed disease of the
plant in Hungary, was less than that of healthy ones, the upper leaves particularly
giving low values. There was a gradient of water loss, which was at a minimum in
leaves on the upper third of the stem. Dry weight increased towards the upper
leaves and the percentage water content was higher in infected plants.

Szabo, E.

29. Organization of a Stakhanov workshop - Sztahánovista műhely szervezése - by P. Buky, E. Szabo and A. Toth. (Industrial Organization - Többtermelés - Vol. , No. 5-6, pp. 8-38, May-June, 1951, 5 figs.)

The prize winning essay in the contest sponsored by the Society of Scientific Research on Plant Organization gives a detailed description of the evolution of the heavy duty turret lathe shop of a tractor factory to Stakhanov standards. This has been achieved - even in serial production - by the organization of rhythmically recurring work beginning with individual groups of machines and shops. By continually perfecting the preparation and technological execution of the thus regularly recurring processes, the employees of the shop are enabled to continually improve production norms. Simultaneously, the "independent workshop accounting system" assures continuous attention to the results. In this advanced stage of the Stakhanov movement, the emphasis is not so much on individual results but rather on collective, organized work.

(2)

SZABO, E.

Hungarian Technical Abst.
Vol. 5 No. 2
1953

32. Practical experience with additional firing of powdered coal - *Szénporított szén gyákorlati tapasztalatai* - E. Szabó. (The Sugar Industry - *Cukoripar* - Vol. V, No. 5, May 1952, pp. 101-103)

The operation of boilers with grate firing in the sugar industry is a difficult problem due to the increased production of the plants as well as the firing of low-grade coals in furnaces designed for high-grade fuel. Both difficulties can be overcome with the additional firing of powdered coal. This has three advantages: (1) that difficult to ignite coal readily takes fire on the grate, (2) the flame is lengthened, and (3) it causes turbulence in the firebox which promotes perfect combustion. The pulverized coal must be as dry as possible. The equipment consists of a blower, coal pulverizer, jet, piping and burners. It is most advantageous to install the burner at the rear of the firebox. Results are illustrated by data obtained in practice.

M. Stein

Szabo, E.

57 The stoping of the safety pillar of the Lipót shaft at Pilisvörösvár

one of which even intersected the shafts. The faults divided the safety pillar into three independent sections at different levels. The pillar amounted to

than 100 m. The main fault, set off by the strike, had an unfavourable effect on the walls of the shafts and caused their crumbling and displacement. The deformation of the section intersected by the main fault proved to be considerable. As a result of the first slowly, later rapidly sinking surface cracks and deformations appeared even on surface buildings. In spite of the extraordinary difficulties 385,260 metric tons, 88.9% of the coal deposits of the shaft pillar were successfully mined. After 2 years and 8 months of working under unfavourable conditions the operations had to be stopped in order to protect the lives of the miners and to safeguard materials. Experience proved that all safety pillars may be worked even those in shafts existing under unfavourable conditions.

SABO, E.

SABO, E.: "Investigation of the use of nitric acid to decompose apatite-nephelite ore". Leningrad, 1955. Min Higher Education USSR, Leningrad Order of Labor Red Banner Technological Institute Leningrad Soviet, Chair of the Technology of Inorganic Substances. (Dissertation for the Degree of Candidate of Science of Technical Sciences)

SO: Knizhnaya Letopis', No. 41, 8 Oct 55

SZABO, E.

"Nomograms for the determination of bauxite-mixing ratios." p. 248.

BANYASZATI LAPOK. (Magyar Banyaszati es Kohaszati Egyesulet). Budapest, Hungary, Vol. 12, No. 13, July 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

SZABO, E.

Testing the enzyme activity of the bottom sediment of Lake balaton. p. 476.

HIDROLOGIAI KOZLONY. Budapest, Hungary, Vol. 39, No. 6, Dec. 1959

Monthly List of East European Accessions (EEAI) IC, Vol. 9, No. 2, Feb. 1960
Encl.

BALOGH, L.; BARABAS, B.; SZABO, E.

Radioactivity of the Covasna mineral waters and natural gases. Studii
fiz tehn Iasi 12 no.1:23-30 '61.

SZABO, E.

HUNG.

539.152.1
 ✓ 8148. The statistical theory of the nucleus, III.
 P. GOMRÁS, E. MÁGORI, B. MOLNÁR AND E. SZABÓ.
 Acta phys. Hungar., 4, No. 3, 267-72 (1955) in
 German.
 (3) The density distributions and energies for $A =$
 16, 80, 200 were calculated using the same variational
 method as in Abstr. 6690, 8991 (1952), but for a
 2-body interaction of exponential or Gaussian type.
 The former gives the best fit with empirical mass
 defects. The corresponding density is roughly
 Gaussian at $A = 16$, but at $A = 80$ and $A = 200$ a
 central depression has developed. W. J. SWIATECKI

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SZABO, E.

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539.152.1
8983. Statistical theory of the nucleus. P. GOMMIS.
E. MÁGORI, B. MOLNÁR AND E. SZABO. *Ann. Phys.*
[Leipz.] 16, No. 1-2, 93-6 (1955) In German.
Previous calculations [Abstr. 6690 (1952), 7028
(1953)] of the nuclear density, energy and exchange-
energy based on a Yukawa two-particle interaction
potential have been extended to the case of expo-
nential and Gaussian potentials. G. E. BROWN

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SEARO, I.

Chemical processing of rocks containing uranium.

P. 592. (ENERGIA ES ATOMTECHNIKA.) (Budapest, Hungary) Vol. 10, No. 11/12,
Nov./Dec. 1957

SO: Monthly Index of East European Accession (ELAI) LC. Vol. 7, No. 5, 1958

18
8
43. Research on the chemical processing of Hungarian
uranium ores. E. Szabó, M. Fodor, L. Földes, E.
Molnár, L. Stokker, M. Vinyári. Magyar Kémi-
kusok Lapja, Vol. 13, 1958, No. 5-6, pp. 210-219, 10 figs.,
1 tab.

In the course of an investigation on the methods of
attacking uranium ores, such processing was found to be
superior both from the technical and economical points of
view when compared with the sulphuric acid method. Recov-
ery by chemical precipitation of uranium from dilute pro-
cess solutions is not economical. Three ion-exchange processes
were examined for the concentration of the uranium contents

of the pulp: a column ion-exchange process for recovery
of uranium from carbonate solutions; an anion exchange process
for the recovery of uranium from sulphuric acid solutions;
and the ion-exchange of uranium solutions in fluidized bed.
The latter method has the advantage that the costly process
of filtration can be eliminated; but its disadvantage is that
after the recovery of the metal contents the pulp which
contains valuable chemicals (sulfate) must be purified before
recycling.

KISS, Istvan; SZABO, Elekne

Vapor pressure of the water-methyl ethyl ketone system. Koz fiz
kozl MTA 7 no.4:218-224 '59. (EEAI 9:8)

1. A Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezete,
Magkemiai Osztaly.
(Butanone) (Water) (Systems (Chemistry))

SZABO, Elek; FODOR, Miklos; POKO, Zoltan

Investigating the applicability of ion-exchange resins in the
leaching of uranium ores. Koz fiz kozl MTA 7 no.6:404-409 '59.
(EEAI 9:8)

1. Magkemiai Laboratorium II., Kozponti Fizikai Kutato Intezet,
Magyar Tudomanyos Akademia.
(Uranium) (Gums and resins, Synthetic)
(Ion exchange)

SZABO, Elek; SARDI, Andras; VASAROS, Laszlo

The effect of ion-exchange on the sodic recovery of uranium ores.
Köz fiz közl MTA 9 no.5/6:341-346 '61.

KISS, Istvan; KOSA-SOMOGYI, Istvan; SZABO, Elekne

Organic materials as reactor moderators. Energia es atom 14 no.10:
454-462 0 '61.

1. Kozponti Fizikai Kutato Intezet, Magkemia I. Laboratorium.

(Organic compounds) (Nuclear reactors)

41347

S/081/62/000/017/027/102
B166/B180

21 4:00
AUTHORS:

Fodor, M., Szabó, E., Pokó, Z.

TITLE:

Investigation of the properties of ion exchange resins used for the extraction of uranium at various temperatures

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 17, 1962, 82, abstract 17B571 (Acta chim. Acad. scient. hung., v. 29, no. 1, 1961, 1 - 9 [Eng.; summaries in Ger. and Russ.])

TEXT: The changes in the properties of an ion exchange resins Mycion PA (My) and Amberlite IRA-400 (Am) were studied with variation of temperature from 20 to 90°C and as a function of the number of extraction cycles. The maximum increase in capacity at 80°C is 24.9% that observed at 20°C in the first cycle for My, and 13.1% for Am. After 50 cycles the reduction in capacity in the aforesaid temperature range and the deterioration in the mechanical strength (at 90°C) occur to a lesser degree for Am than for My. The yield (elution) curves obtained at 20, 40, 60 and 80°C are identical for both types of resin. [Abstracter's note: Complete translation.]

Card 1/1

38457
H/005/62/000/006/001/002
D249/D307

21/12-00
AUTHORS:

Szapó, Elek, Fodor, Miklós, and Pokó, Zoltán

TITLE:

Application of ion exchanges resins to the extraction of uranium. I Preliminary studies of the recovery of uranium by ion exchange methods

PERIODICAL: Magyar kémiai folyóirat, no. 6, 1962, 262 - 268

TEXT: The chemical and physical properties of quaternary ammonium type ion exchange resins prepared at the Műanyagipari Kutató Intézet (Research Institute of the Plastics Industry) and the technology of uranium extraction from dilute alkaline leaching solutions were studied. The particle size and shape, weight per liter of the swollen and dry resin and densities in water and benzene were determined. The total chloride capacity was determined from titration curves, on a resin with a particle size of 0.32 - 0.63 mm. The chloride capacities of the Mykion PA type resins were in the range of 1.02 - 1.38 when swollen and 2.67 - 3.45 mole equivalent g when dry. These data are compared with those of similar types of resins marketed in the West as Lewatite MN and Amberlite IRA-400. Breakthrough and sa-
Card 1/2

Application of ion exchange resins ...

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D249/D307

turation capacities for the complex uranyl tricarbonat anions were determined, and the parameters which influence the results were studied. These are: the effect of a) Na_2CO_3 - NaHCO_3 concentration, b) the concentration of uranium; c) particle size, d) linear velocity of flow. It is shown that the amount of uranium adsorbed was reduced by increasing the Na_2CO_3 - NaHCO_3 concentration, while the capacities remained constant. The saturation capacity decreased when the concentration of U was reduced and also with increasing particle size. The optimum linear velocity of flow was found to be approximately 8 m/hour. To study the elution an NH_4Cl - NaCl eluent was used, the flow velocity and column diameter being kept constant. The effects of various eluents were studied. It was shown that the addition of Na_2CO_3 to a NH_4Cl eluent increased the efficiency of desorption but caused an inflection on the elution curve. There are 12 figures and 14 tables.

ASSOCIATION: Budapest magyar tudományos akadémia központi fizikai kutató intézete, magkémiai laboratóriuma II (Central Research Institute of Physics, Hungarian Academy of Sciences, Budapest. No. 2 Nuclear Chemistry Laboratory)
SUBMITTED: November 25, 1961
Card 2/2

38458
H/005/62/000/006/002/002
D249/D307

21.4-200
AUTHORS:

Fodor, Miklós, Poko, Zoltán, Szabo, Elek, and Vályi
Nagy, József

TITLE:

Application of ion exchange resins in the extraction
of uranium. II. Investigating the properties of Mykion
PA resins in the recovery of uranium

PERIODICAL: Magyar kémiai folyóirat, no. 6, 1962, 268 - 274

TEXT: Model experiments were carried out on the ageing of 2 types
of ion exchange resins. Mykion PA, synthesized at the Műanyagipari
Kutató Intézet Research Institute of the plastics Industry), and
Amberlite IRA-400 resins were subjected to several hundred cycles
of adsorption-washing-elution-washing. Changes of volume, particle
size, particle shape, and capacity were studied as functions of the
number of cycles. The experiments were made in an apparatus contain-
ing four resin beds. Each cycle lasted for 10 minutes, where the
two washing operations took up 2 minutes each and the adsorption
and elution 3 minutes each, 5 ml of the chloride form of the resin
was used, with particles between 0.32 - 0.63 mm. Experiments were
Card 1/2

SZABO, Elek, okleveles mernok

Application of the up-to-date quarrying technology. Melyepitestud szemle 13 no.12:539-545 D '63.

1. Epitesugyi Miniszterium Ko- es Kavicsipari Troszt Muszaki Fejlesztési Osztaly vezetője.

SZABO, Elek

Capacity measurement in quarrying. Epitoanyag 15 no.7:253-
259 J1 '63.

POKO, Zoltan; SZABO, Elek; HAVAS, Jenc

Quantitative determination of uranium by radiometric method. Koz
fiz kozl MTA 12 no.1:101-110. '64.

BAKOS, Laszlo; SZABO, Elek

Synergetic and antagonistic effects in the extraction of various metal ions. Kem tud kozl MTA 22 no.3/4:399-420 '64.

1. Central Research Institute of Physics, Hungarian Academy of Sciences, Budapest.

SZABO, Elek; FLEK, Antal; ORDOGH, Maria; UPOR, Endre

Determination of the trace elements of rocks by the
method of neutron activation. Kozmiz kozl MTA 12
no.5:355-364 '64.

. Central Research Institute of Physics, Hungarian Academy
of Sciences, Budapest.

SZABO, Elek; FODOR, Miklos

Ceramic and dispersion type fuels for nuclear reactors.
Magy kem lap 19 no.8:413-423 Ag '64.

1. Central Research Institute of Physics, Hungarian Academy
of Sciences, Budapest.

BAKOS, Laszlo; SZABO, Elek

Preparation of reactor grade uranium compounds. Magyar
lap 19 no.8:433-438 Ag '64.

1. Central Research Institute of Physics, Hungarian Academy
of Sciences, Budapest.

SZABO Elek, SZABON, János

Analysis of alkyl-phosphate interactions by means of the
 ^{32}P labelled compound. Koz fiz koz MTA 13 no.1:61-69 '65.

1. Submitted December 16, 1964.

SZANTNER, Ferenc; SZABO, Elemer

Tectonic observations on the basis of bauxite prospecting of the recent years. Foldt kozl 92 no.4:416-451 N-D '62.

SZABO, Emilne

Characteristics and social conditions of reported tuberculous patients.
Tuberkulózis 13 no.12:375-380 D '60.

1. A Központi Statisztikai Kivatal Népegészségügyi és Szociálisstatisztikai
főosztálya (főosztályvezető: Szabady Egon dr.) egészségügyi statisztikai
osztályának (osztályvezető: Marton Zoltán dr.) közleménye.

(TUBERCULOUS PATIENTS sociol)

BOSZORMENYI, Zoltan; SZABO, Eموke

The effect of tobacco streak, a virus disease, on the water economy of tobacco. Magy biol Debrecen 2:201-210 '52 [publ. '54].

1. Debreceni Kossuth Lajos Tudományegyetem Noveánytani Intezete.

SZABO, Elemer, dr.

Anemization and drying after radical surgery of the mastoid cavity. Ful-orr-gegegyogy 6 no.4:160-162 D '60.

1. A Heves megyei Rendelointezet (Eger) Ful- orr- gegeosátalya
(foorvos: Szabo Elemer dr.) Korhaza kozlemenye.
(MASTOID surg)

SZABO ELEMER, Bela, dr.

Otorhinolaryngological problems in the framework of regional hospital-polyclinics. Nepegeszsegugy 42 no.5:153-156 My '61.

1. Kozlemeny a Heves megyei tanacs korhaz-rendelointezet (igazgato: Osvath Gabor dr.) ful-orr-gegeszeti szakrendeleserol (foorvos: Szabo Elemer Bela dr.)

(OTORHINOLARYNGOLOGY hosp & clin)

SZABO, Elemer Bela, dr.

A case of diffuse serous labyrinthitis with recovery. Orv. hetil.
102 no.27:1281-1282 2 Je '61.

1. Heves Megyei Tanacs Korhaz-Rendelointezet, Ful-orr-gege poliklinikai
egyseg, Eger.

(OTITIS INTERNA case reports)

SZABO, Elemer, dr.

Osteoma arising from the bony capsule of the sigmoid sinus.
Fulorrggegegygyaszat. 9 no. 2:91-93 Je '63.

1. Hatvan Varosi ~~Tamás~~ Korhaza Sebeszeti osztaly Ful-orr-gege
reszlege (vereto: Szabo Elemer dr.) kozlemenye.
(OSTEOMA) (OCCIPITAL BONE) (MASCROID)

HUNGARY

SZABO, Elemer, Dr; City Council Hospital of Hatvan, Surgical Ward,
Ear-Nose-Throat Section (Hatvani Varosi Tanacs Korhaza, Sebeszeti
Osztaly, Ful-Orr-Gege Reszleg).

"New Method of Treatment for the Nosebleed of the Aged."

Budapest, Orvosi Hetilap, Vol 104, No 21, 21 May 63, pages 985-987.

Abstract: [Author's Hungarian summary] The author reports a new method
for stopping nosebleeds. Conservative treatments are advocated by him.
The mucosa of the nose infiltrated in a circular motion with procaine or
Lidocain gave good results in a great number of cases. Especially the
older, arteriosclerotic, hypertonic, climactic patients showed good
response. The article stresses that procaine and Lidocain are effective
in the treatment of nosebleeds causing geriatric problems. 9 Eastern
European, 23 Western references.

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52A RC, 1 MIL

GÖRÖS JENŐ; SZABÓ EMIL; SZABÓ JENŐ ALFÖLDI

Leukoplakia of the uterine cervix. Magyar. noorv. lap 22 no.2:108-112
May 57.

1. A Pécsi Orvostudományi Egyetem Szülészeti és Nőgyógyászati Klinika, Jank
közleménye (Igazgató: János Jászó dr. egyet. tanár)

(LEUKOPLAKIA, pathol.

uterine cervix, histopathol. (Hun))

(CERVIX, UTERINE, dis.

leukoplakia, histopathol. (Hun))

KECSKES, L.; SZABO, E.

Hormonal effect of Brenner tumor, causing menopausal bleedings, in vaginal smear examinations. *Magy. noorv. lap.* 20 no.3:182-186 July 57.

1. A Pecsí Orvostudományi Egyetem Szülészeti és Nőgyógyászati
Klinikájának közleménye (Írta: Lajos László dr. egyetemi tanár)
(BRENNER TUMOR, physiol.
estrogen secretion, histol. demonstration in vaginal smears
in tumors causing menopausal bleeding (Hun))

TOTH, Emil; MEHES, Karoly; SZABO, Emil; ZSIFKOVICS, Istvan

Sex chromatin in the leukocytes in women of various ages. Magyar orv. lap. 24 no.1:36-39 Ja'61.

1. A Pecsí Orvostudományi Egyetem Szülészeti és Nőgyógyászati Klinikájának (Igazgató: Lajos László dr. egyetemi tanár) és Korbonctani Intézetének (Igazgató: Romhányi György dr. egyetemi tanár) közleménye.

(CHROMOSOMES) (LEUKOCYTES) (AGING)
(SEX CHARACTERISTICS)

KESZTYUS, L.; SZABO, E.; GYULAI, F.; SZATAI, I.

The nervous system and immunity; VI. The effects of analgesia on the Arthus-Sacharow phenomenon. Acta microb. hung. 3 no.3: 277-284 1956.

1. Pathophysiologisches Institut der Medizinischen Universitat, Debrecen.

(ALLERGY, exper.

Arthus phenomenon, eff. of phenobarbital analgesia in rabbits. (Ger))

(BARBITURATES, anesth. & analgesia

phenobarbital analgesia, eff. on exper. Arthus phenomenon in rabbits. (Ger))

KMSZTYUS, Lorand.; SZABO, Andra.; GYULAY, Ferenc.; SZATAI, Imre.

Nervous system and immunity; VI. effects of analgesia on the
Arthus-Sacharov phenomenon. Kiserletes orvostud. 8 no.3:309-314
May 56

1. Debreceni Orvostud. Egyetem Korelettai Intezete.

(ALLERGY, exper.

Arthus phenomenon, eff. of mephobarbital analgesia on
develop. in rabbits (Hun))

(BARBITURATES, anesth. & analgesia

mephobarbital analgesia, eff. on develop. of exper.

Arthus phenomenon in rabbits (Hun))

SZABO, E.

BOT, Gy.; SZILAGYI, T.; SZABO, E.

Effects of sugar loading and adrenalin on phosphorylase and glucose-6-phosphate activity of the liver. Acta physiol. hung. 11 no.3-4:421-426 1957.

1. Pathophysiologisches Institut der Medizinischen Universität, Debrecen.
(LIVER, eff. of drugs on

glucose loading & epinephrine on phosphorylase & glucose-6-phosphatase activity in dogs (Ger))

(GLUCOSE, eff.

loading, on phosphorylase & glucose-6-phosphatase activity in dog liver (Ger))

(EPINEPHRINE, eff.

on phosphorylase & glucose-6-phosphatase activity in dog liver (Ger))

(PHOSPHATASES

glucose-6-phosphatase activity in dog liver, eff. of glucose loading & epinephrine (Ger))

(PHOSPHORYLASES

in liver of dogs, eff. of glucose loading & epinephrine (Ger))

KESZTYUS, L.; SZABO, E.; BOT, Gy.; JOKAY, I.

Symptomatology of the Schwartzman phenomenon. Acta microb. hung. 5
no.2:209-216 1958.

1. Pathophysiologisches Institut der Medizinischen Universitat,
Debrecen.

(ALLERGY,

Shwartzman phenomenon, sympt. (Ger))

2000, 2. 10. 1958
BOT, Gyorgy; SZILAGYI, Tibor; SZABO, Endre

Effects of glucose loading and adrenalin on liver phosphorylase and glucose-6-phosphatase activities. Kiserletes orvostud 9 no.5-6:507-511 Oct-Dec 58.

1. Korelettani Intezet, Debrecen.

(GLUCOSE, eff.

loading, on liver phosphorylase & glucose-6-phosphatase activities in dogs (Hun))

(EPINEPHRINE, eff.

on liver phosphorylase and glucose-6-phosphatase activities in dogs (Hun))

(LIVER, metab.

glucose-6-phosphatase & phosphorylase, eff. of epinephrine & glucose loading on activities in dogs (Hun))

(PHOSPHORYLASES

in liver, eff. of epinephrine & glucose loading on activity in dogs (Hun))

(PHOSPHATASES

glucose-6-phosphatase in liver, eff. of epinephrine & glucose loading on activity in dogs (Hun))

KESZTYUS, Lorand; SZABO, Endre; BOT, Gyorgy; JOKAY, Istvan

Data on the symptomatology of the Schwartzman phenomenon. Kiserletes
orvostud. 10 no.2-3:305-310 Apr-June 58.

1. Debreceni Orvostudományi Egyetem Korelatti Intezete.

(ALLERGY, exper.

Shwartzman phenomenon, metab. changes in (Hun))

KESZTYUS, L.; KAVAY, Maria; SZABO, E.; KOCSAR, L.

On the production and antigen properties of chromovalbumin.
Acta microb. hung. 7 no.1:71-76 '60.

1. Pathophysiologisches Institut der Medizinischen Universität,
Debrecen.

(EGG WHITE)

SZABO, E.; TOMPA, GY.; BAKO, G.

Experimental segmental resection of the esophagus with the aid of tubular skin graft from the omentum. Magy.sebeszet 13 no.1:49-54 F '60.

1. A Debreceni Orvostudományi Egyetem II. sz. Sebészeti Klinikájának közleménye Igazgató: Iadanyi Józsa dr. egyetemi tanár.

(ESOPHAGUS surg)

CSABA, V.; SZILAGYI, T.; SZABO, E.; BOT, G.

Effect of hypothermia on phosphorylase activity in the liver.
Acta physiol.hung. 18 no.1:31.35 '60.

1. Institute of Pathophysiology and Institute of Medical Chemistry,
Medical University, Debrecen.
(HYPOTHERMIA, INDUCED experimental)
(PHOSPHORYLASES metabolism)
(LIVER metabolism)

SZABO, E.; CSONGOR, J.; CSABA, B.; KOCSAR, L.; KESZTYUS, L.

Distribution of coli-endotoxin in the rabbit organism in Shwartzman's
reaction. Acta microbiol. acad. sci. hung. 8 no.3:275-280 '61.

1. Pathophysiologisches Institut der Medizinischen Universität, Debrecen.
(ALLERGY exper) (ESCHERICHIA COLI)
(TOXINS AND ANTITOXINS)

SZILAGYI, Tibor; CSERNYANSZKY, Hedvig; CSERNYANSZKY, Ivan; SZABO, Endre
CSABA, Bela

Effect of hypothermia on adrenalin-chloroform syncope. Kiserletes
orvostud. 13 no.3:310-3115 Je '61.

1. Debreceni Orvostudományi Egyetem Korelettani Intézete.

(BODY TEMPERATURE) (EPINEPHRINE pharmacol)
(SYNCOPE exper) (CHLOROFORM pharmacol)

SZILAGYI, Tibor; CSABA, Bela; SZABO, Endre

Effect of hypothermia on edema produced with dextran and egg albumin. Kiserletes orvostud. 13 no.4:357-360 Ag '61.

1. Debreceni Orvostudományi Egyetem Korelettani Intezete.

(ALLERGY exper) (BODY TEMPERATURE)
(DEXTRAN toxicol) (EGG WHITE toxicol)

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Effect of hypothermia on the dextran and egg-white oedema. Acta physiol
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1. Institute of Pathophysiology, Medical University, Debrecen.

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1. Institute of Pathophysiology, Medical University, Debrecen.

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1. Telecommunication Research Institute, Budapest.

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'59. (EEAI 10:1.)

(Hungary--Sedimentation and deposition)

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Examination of the activity of enzymes in the bottom sediments
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Balaton and its effect on the chemism of the water. Annales
biol Tihany 27:139-145 '60.

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Neusiedler Lake (Ferte-to). Annales biol Tihany 28:151-168
'61.

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SZABO, Erno; KALKO, Zsuzsa F.; FELFOLDY, Lajos J.M.

On the use of toluene as inhibitor in enzymological surveys of freshwater bottom deposits. Annales biol Tihany 28:135-138 '61.

1. Editorial Board member, "Annales Instituti Biologici (Tihany) Hungaricae Academiae Scientiarum" (for Felfoldy).

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On the total sterol content of unicellular Algae. Annales
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TOTH, L.; SZABO, E.; FELFOLDY, L.J.M.

Standing crop measurements in stands of *Phragmites communis* on the ice cover of Lake Balaton. Acta bot Hung 9 no.1/2:151-159 '63.

1. Biological Research Institute of the Hungarian Academy of Sciences, Tihany, Lake Balaton.

BACHRACH, Denes, dr.; LASZLO, Aranka, dr.; B. SZABO, Eva, dr.; PETTKO, Emma, dr.;
KORPASSY, Bela, dr.

Effect of a prolonged administration of posterior hypothalamic extract
on the thyroid. Orv. hetil. 102 no.48:2276-2277 26 N '61.

1. Szegedi Orvostudományi Egyetem Kórbontani és Kórszövettani Intézet,
Borgyógyászati Klinika és Orvosi Vegytani Intézet.

(THYROID GLAND pharmacol) (HYPOTHALAMUS extracts)

HUNGARY

HACHRACH, Denes; LASZLO, Aranka; B. SZABO, Eva; Pettko, Emma; and KOPPACSEY, Bela, of the Institute of Pathological Anatomy and Pathological Histology (Korbonctani és Kórszövettani Intézet), Dermatological Clinic (Bőrgyógyászati Klinika) and Institute of Medicinal Chemistry (Orvosi Vegytani Intézet) of the Szeged College of Medicine (Szegedi Orvostudományi Egyetem).

"Effect of Prolonged Administration of Posterior Hypothalamus Extract on the Thyroid Gland"

Budapest, A MTA Biológiai és Orvosi Tudományok Osztályának Közleményei, Vol 13, No 4, 1962; pp 297-303.

Abstract: [Authors' Hungarian summary, modified] Physiological saline suspension or extract prepared from rat-, bovine- and rabbit posterior hypothalamus was administered over a prolonged period of time to female rats. It was found that the weight of the animals' thyroid glands increased as a result of the treatment to a moderate but nevertheless statistically significant degree. No such effect was noted with suspensions prepared from the middle- or anterior portion of the hypothalamus or from the cerebral cortex. In rats pretreated with thyreo-

1/2

BACHRACH, Denes; B. SZABO, Eva; BARADNAY, Gyula; KORPASSY, Bela

Histological changes of the adrenal cortex in dehydration and rehydration. Kiserl. orvostud. 14 no.3:273-280 Je '62.

1. Sregedi Orvostudományi Egyetem Kóronctani és Kórszövetanni Intézete
és Borgyógyászati Klinikája.

(ADRENAL CORTEX anat & histol)

(DEHYDRATION exper)

BACHRACH, Denes; B. SZABO, Eva; LASZLO, Aranka

The histophysiology of the rat anterior hypothalamus-neurohypophysis system in increasing as well as decreasing the thyreotropic function of the adenohypophysis. Kiserl. orvostud. 14 no.4:420-424 S '62.

1. Szegedi Orvostudományi Egyetem Kóronctani és Kórszovettani Intézete és Bórgyógyászati Klinikája.

(HYPOTHALAMUS) (PITUITARY GLAND, POSTERIOR)
(PITUITARY GLAND, ANTERIOR) (THYROTROPIN) (METHYLTHIOURACIL)

MARTONOSI, A.; SZABO, E.P.

Comparative studies on glucose, fructose, galactose, mannose and sorbose absorption in isolated rat intestines. Acta physiol. hung. 11(Suppl):61-62 1957.

1. Physiologisches Institut der Medizinischen Universitat, Szeged.
(HEXOSSES, metab.

intestinal absorp. comparative study in isolated rat
intestines (Ger))

(INTESTINES, physiol.

absorp. of hexoses, comparative study in isolated rat
intestines (Ger))

BACHRACH, D.; SZABO, Eva B.; LABALA, Ananka

Histophysiology of the anterior hypothalamus-neurohypophysis system in the mobilization of endogenous TSH or TSH administration in rats. Acta morph. acad. sci. Hung. 12 no.2:181-188 '63.

1. Institut d'Anatomie pathologique et d'Histopathologie et
Clinique de Dermatologie de l'Universite Medicale, Szeged.
(HYPOTHALAMUS) (PITUITARY GLAND, POSTERIOR)
(THYROTROPIN) (METHYLTHIOURACIL) (GANGLIA)
(CELL NUCLEUS)

DERMATOLOGY

HUNGARY

SZABO, Eva, Dr; Medical University of Debrecen, Dermatological and Venereological Clinic (director: SZODORAY, Lajos, Dr) (Debreceni Orvostudományi Egyetem, Bor- és Nemikortani Klinika).

"Catamnestic Examination of 12 Years of the Patient Material Hospitalized for Psoriasis at the Clinic."

Budapest, Orvosi Hetilap, Vol 107, No 16, 17 Apr 66, pages 727-731.

Abstract: [Author's Hungarian summary modified] An evaluation of the in-patient material of the clinic, treated for psoriasis between 1952-63, revealed the following. 1) During the 12 years, the number of hospitalizations for psoriasis increased significantly. The incidence of the disease doubled in the past 5 years and increased 3.6-fold in the 15-30 year age group. 2) Only about half of the patients expressed an opinion as to the precipitating cause of the disease. Most of these (19 per cent) associated the beginning of the disease with nervous systemic stress. 3) The results of laboratory tests do not unequivocally support the assumptions concerning the etiological factors. 4) The treatment is symptomatic; there is no essential difference in the effectiveness of different modes of therapy. (The local administration of steroid compounds was not evaluated.) 5) One-tenth of the number of hospital beds are occupied by patients with psoriasis. Of 46 references about 10 are Eastern European, the rest are Western.

PAPOLICZY, Antal, Dr.; SZABO FERENCZY ERNO, Dr.

Early complications of our resections performed in pulmonary tuberculosis.
Magy. sebeszet 11 no.2:115-120 Apr-June 58.

1. Vas megyei Tanacs Markusovszky korhaz (igazgato foorvos: Szvoboda
Jena dr.) Tudosebeszeti oszalyanak kozlemenye.

(PNEUMONECTOMY, in various dis.

pulm. tuberc., early compl., incidence & prev. (Hun))

11-11-62

S. P. F., Jr., Medical Chief-Lieutenant (corresponding);
no citation not given.

"The Organization of Decentralized Medical Service of a
Motorized Infantry Regiment in Peace Time."

Soviet, *Armymeditsina*, Vol 14, No 4, Oct-Dec 62, pp 248-252.

11-11-62
The institution of medical
aid stations at the battalion level is advocated. The
organization, function and responsibilities of the medical per-
sonnel of such stations are described. The advantages of
such a decentralized system are demonstrated in terms of
actual experience with such battalion aid stations. The
author is meant to serve to stimulate future discussion
of the proposal. No references are given.

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CIUCIU, P.; SZABO, F.

Social property development, the main way for the economic and organizational strengthening of the collective farms. Probleme econ 15 no.5:45-60 My '62.

SZAEQ, *Trunc*

"Results of Phytomic Production in the Szombathely Agricultural Machine Factory", P. 21. (TOPPTEPFILES, Vol. 7, No. 1, Jan. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

SZABO, Ferenc

Some problems of the relation of collective-and household
plots in our collective farms. Stat szemle 40 no.1:13-25 Ja '62.

ADAMKO, Jozsef; KOVACS, Jeno, fomernok; V. SZABO, Ferenc

A well developed technology requires a new management in the forest districts. Erdo 12 no.5:199-203 My '63.

1. Nyugatbukki Allami Erdogazdasag igazgatoja, Eger. (for Adamko).
2. Nyugatbukki Allami Erdogazdasag erdeszetvezetoje, Eger(for V. Szabo).
3. Nyugatbukki Allami Erdogazdasag, Eger. (for Kovacs).

SZABO, Ferenc, fomernok

Development of timber export during 1954-1963 in Hungary.
Erdo 12 no.12:557-560 D'63.

1. Orszagos Erdeszeti Foigazgatosag, Budapest.

PORSZASZ, Janos; SZABO, Ferenc

Isolation transformer of high frequency. Kiderletes Orvostudomány
11 no.6:671-672 December 1959.

1. Szegedi Orvostudományi Egyetem Élettani Intézete.
(PHYSIOLOGY, equip. & supply)

S/271/63/000/003/003/049
A060/A126

AUTHOR: Szabó, Ferenc

TITLE: Circuit for an AC-DC time-delay relay

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 3, 1963, 15, abstract 3A83 P (Hung. pat., class 21g, 1 - 16, no. 148879, December 31, 1961)

TEXT: The patented relay consists of three electromagnetic relays, a capacitor, and a variable resistor, and in the AC version also of an autotransformer and a semiconductor diode. The first relay switches on the autotransformer, the voltage from which is rectified by the semiconductor diode and is fed through the resistor to the capacitor. A circuit consisting of a neon lamp and an electromagnetic relay in series is connected in parallel with the capacitor. The relay operates when the voltage on the capacitor attains the ignition voltage of the neon lamp. Operation of the relay triggers the output relay, which switches the circuit being controlled. Before the next operation the first relay briefly shorts the capacitor terminals. In the DC version the auto-

Card 1/2

Circuit for an AC-DC time-delay relay

S/271/63/000/003/003/049
A060/A126

transformer and the semiconductor diode are absent. The correct operation of the relay depends on the stability of the supply voltage, which has to be stabilized. There are 5 figures.

G. S.

[Abstracter's note: Complete translation]

Card 2/2

PORSZASZ, J.; SZABO, Ferenc

A semiautomatic apparatus for making glass microelectrodes. Acta
physiol.hung. 18 no.2:121-124 '60.

1. Institute of Physiology, Medical University, Szeged.
(ELECTROPHYSIOLOGY equip & supply)

BERKES, Istvan; SZABO, Ferenc

The 2d Geneva Atomic Energy Conference. Fiz szemle 9 no.2:39-43 F '59.

1. Kozponti Fizikai Kutato Intezet.

PAL, L.; SZABO, F.; GYIMESI, Z.; BATA, L.; TURI, L.

Investigation of the SR-1 heterogeneous subcritical assembly. Acta
phys Hung 12 no.3:205-219 '60. (EEAI 10:5)

1. TSentral'nyy issledovatel'skiy institut fiziki AN Vengrii,
Budapesht. Predstavleno L.Janoshi.
(Uranium) (Neutrons) (Nuclear reactors)

SZABO, Ferenc

Mechanization of the specialized industry, fitting industry and
stone-cutting. Magyar ipar 11 no.11:498-500 '62.

SZABO, Ferenc

Physical foundations of rapid reactors. Magyar fizikai folyóirat
11 no.4: 325-349 '63.

1. Központi Fizikai Kutató Intézet, Budapest.

BARTA, Tamas; SZABO, Ferenc

Measuring the void effect on grids made of the EK-10
heating elements. Koz fiz kozl MTA 11 no.5:345-353 '63.

MARIAN, Miklos; SZABO, Frigyes

Data on the biology of propagation of pond tortoise (*Emys orbicularis* L.). Allattani kozl 48 no.1/4:85-90 '61.

1. Mora Ferenc Muzeum, Szeged, es Magyar Nemzeti Muzeum, Termesztudomanyi Muzeum, Budapest.

SZABO, G.

621.316.722.3
2713. NON-LINEAR RESISTANCE BRIDGES AS VOLTAGE
STABILIZERS. G. Szabo

Z. angew. Phys., Vol. 6, No. 10, 512-16 (Oct., 1956). In German.
The bridges comprise two linear resistors (R) and two tungsten
lamps (L), and are operated unbalanced and loaded. The treatment
is largely mathematical. The following relations are examined:
the ratio between R and L which gives optimum stability; the input
and output voltages of the bridge as a function of L; the optimum
load resistance and the effect of varying the load; the relation
between lamp voltage and lamp current over the filament tempera-
ture range 400-2600° K; the effect of ambient temperature variation;
long-term stability and its dependence on lamp operating voltage.
The lamp-bridge stabilizer is suitable for supplying low voltages
of high stability to low-power constant loads, and is usable up to
several thousand c/s. Using two bridges in cascade, a stability of
±0.02% is obtainable with input voltage variations of ±15%.

C. F. Pizzey

BT *nan*

SZABO, G.; MAGYAR, Susanne

The role of angiotensinase activity in the diminished pressor response to angiotensin. Acta med. acad. sci. Hung. 21 no.2: 205-211 '65.

1. National Institute of Traumatology, Budapest, Hungary.
Submitted November 11, 1964.

SZABO, G.; ROZSA, Jolán

Beta-galactosidase activity of *Saccharomyces fragilis*. II. Mode of action. *Acta mikrobiol. acad. sci. Hung.* 12 no.1:91-102 '65.

1. Antibiotic Department (Director: T. Valyi-Nagy) Institute of Experimental Medicine, Hungarian Academy of Sciences, and Institute of Biology (Director: G. Szabo) University Medical School, Debrecen.

SZABO, G.; BARABAS, Gy.; VALYI-NAGY, T.; MAGYAR, Zs.

A new component from the cell wall of *Streptomyces griseus*. I.
The role of streptomycin in the life of *Streptomyces griseus*.
Acta mikrobiol. acad. sci. Hung. 12 no.1:109-113 '65.

1. Institute of Biology (Director: G. Szabo), and Institute of
Pharmacology (Director: T. Valyi-Nagy), University Medical
School, Debrecen.

SZEGO,V.dr.; KASZA,L., dr.; SZABO,G., chim; FEJER,I., dr.

The blood transaminase alkaline phosphatase ratio in the differential diagnosis of hepatocellular and mechanical jaundice. Med. intern. 16 no.2:163-168 F'64.

1. Lucrare efectuata in Clinica de boli infectioase, I.M.F., Tg. Mures (director: prof.L.Kelemen).

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SZABO, Gabor

The Cold-Storage Plant of Miskolc. Ipari energia 2 no.1/2:17
Ja-F '61.

1. HOTERV.

SZABO, Gabor

Development of the machines of the building industry in 1961.
Magy ep ipar 11 no.2:73-75 '62.

PINTER, Gyula; SZABO, Geza; VUKOV, Konstantin

Hungarian sugar-industry experts' study tour of the Soviet Union. Cukor 12 no.3:46-52 Mr '59.

1. "Cukoripar" szerkeszto bizottsagi tagja (for Vukov).

JERMY, Sandor; SZABO, Geza

Mechanization of sugar beet harvesting. Cukor 13 no.3:83-87
Mr '60.

1. Cukoripari Kutatointezet.